

ABSTRACT OF DP 140987

L5 ANSWER 60 OF 89 CA COPYRIGHT 2002 ACS
 AN 94:123531 CA
 TI Continuous production of **granulated detergents** and
 cleaning agents in fluidized bed apparatus
 IN Mittelstrass, Manfred; Moerl, Lothar; Kuenne, Hans Joachim; Sachse,
 Joachim; Schmidt, Eberhard; Schultz, Wolfgang; Sieg, Norbert
 PA Ger. Dem. Rep.
 SO Ger. (East), 11 pp.
 CODEN: GEXXA8
 DT Patent
 LA German
 IC B01J008-24; C11D011-00
 CC 46-5 (Surface Active Agents and Detergents)
 FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DD 140987	Z	19800409	DD 1979-210340	19790105
	SU 1081203	A1	19840323	SU 1979-7770975	19791213
PRAI	DD 1979-210340		19790105		

AB Dodecylbenzenesulfonic acid (I) [27176-87-0] (contg. **fatty acids** and nonionic surfactants in some cases) is sprayed on a mixt. of Na5P3O10 (phase II content >90%) and other powd. **detergent** components in a **fluidized** bed app. in a method for the continuous prodn. of **granular detergents**. Thus, 85 parts of mixt. of Na5P3O10 (95% phase II, bulk d. 1000 g/L, 80% **particle** with diam. <0.2 mm) 40, Na2CO3 10, Na2SO4 25.8, Na **perborate** 14, and additives 10.2% was **fluidized** and sprayed with 15 parts 10:7 I-**fatty acid** mixt. to prep. dust-free **granules** with bulk d. 530 g/L.

ST sodium tripolyphosphate **detergent** fluidization
granulation; dodecylbenzenesulfonic acid **granulation**
detergent fluidization; phosphate builder **detergent**
granulation

IT Fluidized beds and systems
 (**granulation** of tripolyphosphate-contg. **detergent**
powders in)

IT **Detergents**
 (**granulation** of tripolyphosphate-contg., in fluidized bed)

IT **Granulation**
 (of **detergents** contg. sodium tripolyphosphate, in fluidized
 bed)

IT 7758-29-4
 RL: USES (Uses)
 (**granulation** of **detergent powders** contg.,
 in fluidized bed)

IT 27176-87-0
 RL: USES (Uses)
 (**granulation** of tripolyphosphate-contg. **detergents**
 by, in fluidized bed)

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